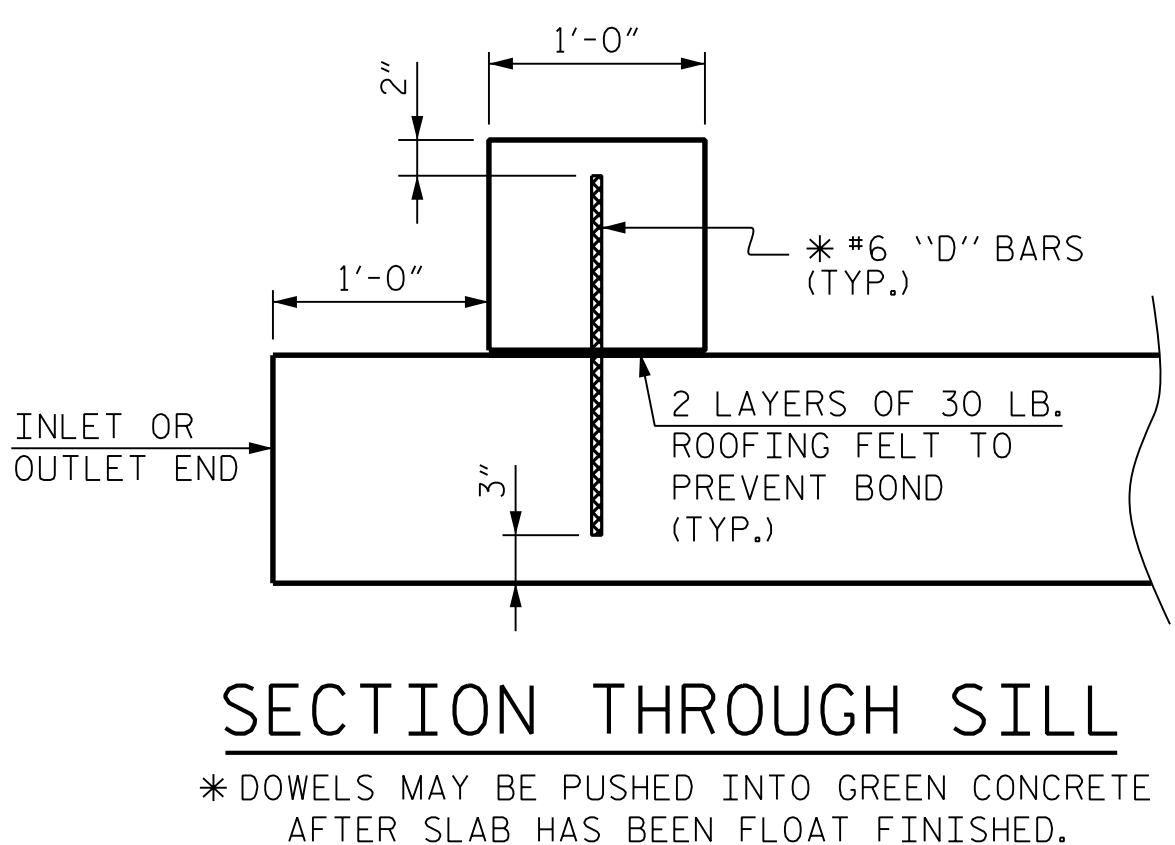
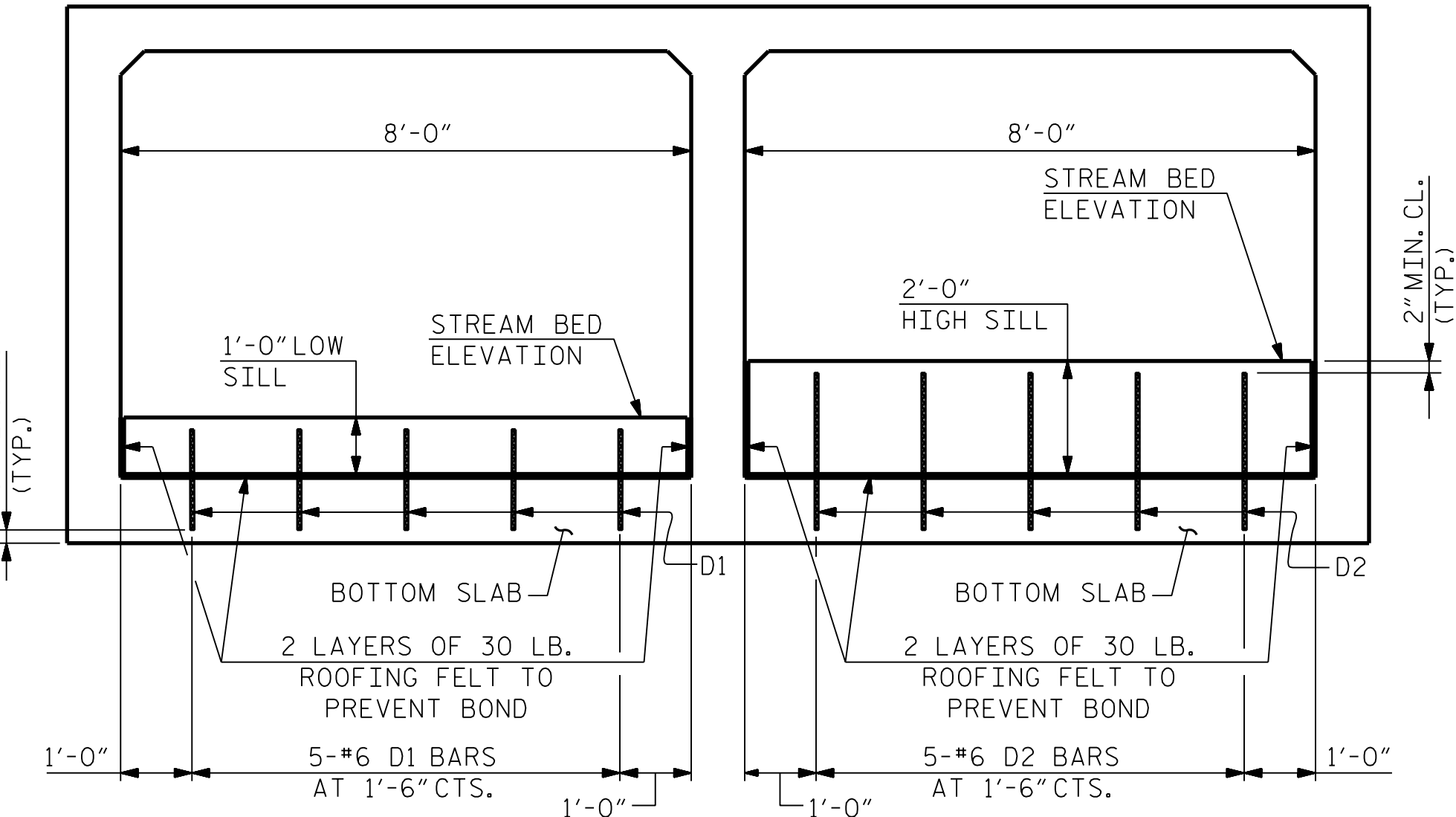


RIGHT ANGLE SECTION OF BARREL
 THERE ARE 63 "C" BARS IN SECTION OF BARREL.
 * ALL CONTINUOUS HIGH CHAIR UPPER (C.H.C.U.) @ 3'-0"



SECTION THROUGH SILL
 * DOWELS MAY BE PUSHED INTO GREEN CONCRETE AFTER SLAB HAS BEEN FLOAT FINISHED.

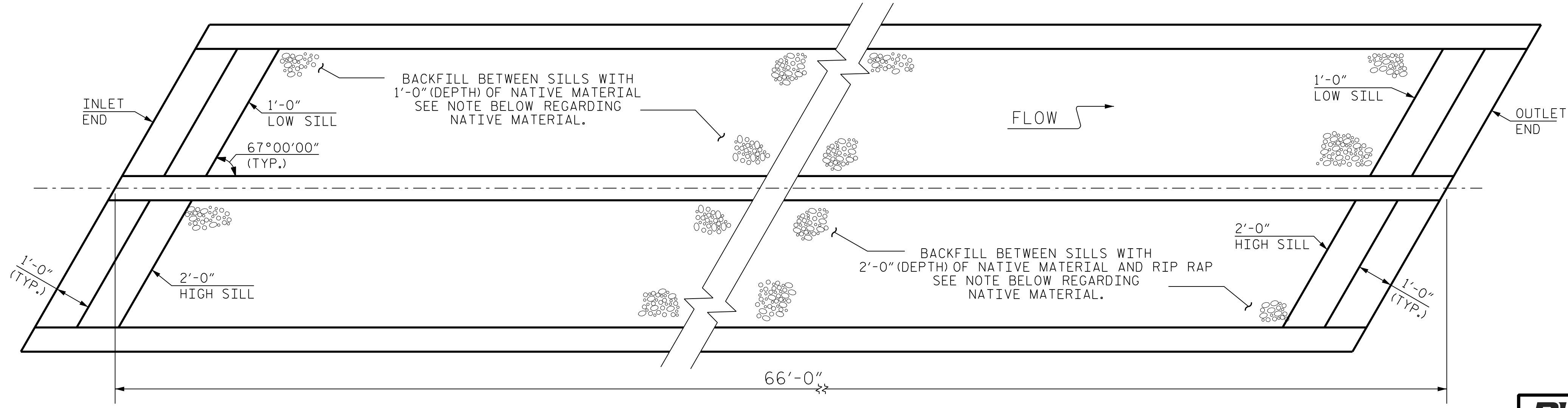
BAR TYPE		BILL OF MATERIAL					BILL OF MATERIAL				
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	258	#5	1	7'-5"	1,996	A300	116	#5	STR.	17'-8"	2,137
A2	258	#5	1	7'-0"	1,884	A301	2	#5	STR.	17'-4"	36
						A302	2	#5	STR.	16'-2"	34
						A303	2	#5	STR.	15'-0"	31
						A304	2	#5	STR.	13'-10"	29
						A100	116	#5	STR.	17'-8"	2,137
						A101	2	#5	STR.	17'-4"	36
						A102	2	#5	STR.	16'-2"	34
						A103	2	#5	STR.	15'-0"	31
						A104	2	#5	STR.	13'-10"	29
						A105	2	#5	STR.	12'-7"	26
						A106	2	#5	STR.	11'-5"	24
						A107	2	#5	STR.	10'-3"	21
						A108	2	#5	STR.	9'-1"	19
						A109	2	#5	STR.	7'-10"	16
						A110	2	#5	STR.	6'-8"	14
						A111	2	#5	STR.	5'-6"	11
						A112	2	#5	STR.	4'-4"	9
						A113	2	#5	STR.	3'-2"	7
						A400	116	#5	STR.	17'-8"	2,137
						A401	2	#5	STR.	17'-4"	36
						A402	2	#5	STR.	16'-2"	34
						A403	2	#5	STR.	15'-0"	31
						A200	116	#5	STR.	17'-8"	2,137
						A201	2	#5	STR.	17'-4"	36
						A202	2	#5	STR.	16'-2"	34
						A203	2	#5	STR.	15'-0"	31
						A204	2	#5	STR.	13'-10"	29
						A205	2	#5	STR.	12'-7"	26
						A206	2	#5	STR.	11'-5"	24
						A207	2	#5	STR.	10'-3"	21
						A208	2	#5	STR.	9'-1"	19
						A209	2	#5	STR.	7'-10"	16
						A210	2	#5	STR.	6'-8"	14
						A211	2	#5	STR.	5'-6"	11
						A212	2	#5	STR.	4'-4"	9
						A213	2	#5	STR.	3'-2"	7
						B1	134	#4	STR.	6'-9"	604
						B3	134	#4	STR.	6'-9"	604
						C1	126	#4	STR.	34'-1"	2,869
						D1	10	#6	STR.	1'-6"	23
						D2	10	#6	STR.	2'-6"	38
						G1	8	#5	STR.	19'-2"	160
						S2	12	#8	STR.	19'-2"	614
						REINFORCING STEEL				18,387	LBS.



SILL ELEVATION

DOWEL SPACING SHOWN PERPENDICULAR TO CULVERT BARREL (LOOKING DOWNSTREAM)

NOTE:
 NATIVE MATERIAL CONSISTS OF MATERIAL THAT IS EXCAVATED FROM THE STREAM BED AT THE PROJECT SITE DURING CULVERT CONSTRUCTION. ONLY MATERIAL THAT IS EXCAVATED FROM THE STREAM BED MAY BE USED TO LINE THE LOW FLOW CULVERT BARREL. RIP RAP MAY BE USED TO SUPPLEMENT THE NATIVE MATERIAL IN THE HIGH FLOW CULVERT BARREL. IF RIP RAP IS USED TO LINE THE HIGH FLOW CULVERT BARREL, NATIVE MATERIAL SHOULD BE PLACED ON TOP TO FILL VOIDS AND PROVIDE A FLAT SURFACE FOR ANIMAL PASSAGE. NATIVE MATERIAL IS SUBJECT TO APPROVAL BY THE ENGINEER AND MAY BE SUBJECT TO PERMIT CONDITIONS.



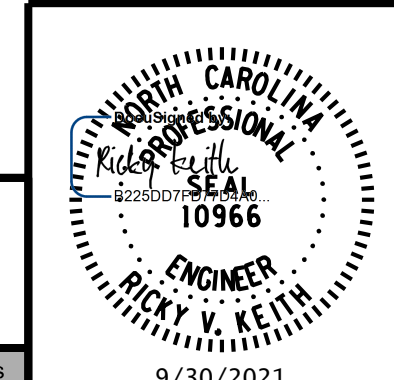
SILL PLAN

PROJECT NO. I-5972
JOHNSTON COUNTY
 STATION: 17+30.70 -Y2-

SHEET 4 OF 6

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DOUBLE 8 FT. X 5 FT. CONCRETE BOX CULVERT
 67°00'00"



RK&K
 P: (919) 878-9560
 8601 Six Forks Road, Forum 1 Suite 700
 Raleigh, North Carolina 27615 | NC License No. F-0112
 Engineers | Construction Managers | Planners | Scientists
 www.rkk.com
 Responsive People | Creative Solutions

9/30/2021
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	CU-4	
1			3			TOTAL SHEETS	5
2			4				

9/30/2021 R:\Structures\GON\Culvert\Final\I5972_SMU_CU.1-4_500410.dgn

DRAWN BY : J. BOXLEY DATE : JUL. 2021
 CHECKED BY : A. L. STROUD DATE : JUL. 2021
 DESIGN ENGINEER OF RECORD : R. V. KEITH DATE : JUL. 2021